

# heavy-duty

# enclosures



Now . . . custom designs that present pleasing appearance and provide maximum efficiency, maximum density, and servicing simplicity . . . with the durability and flexibility of heavy-duty aluminum.

A variety of trim sections, styling details, panel styles, and finishes available for individualizing.

SEI manufacturing tolerances are held as follows: tooling  $\pm .003$ , machining  $\pm .010$ , assembly  $\pm .015$ .

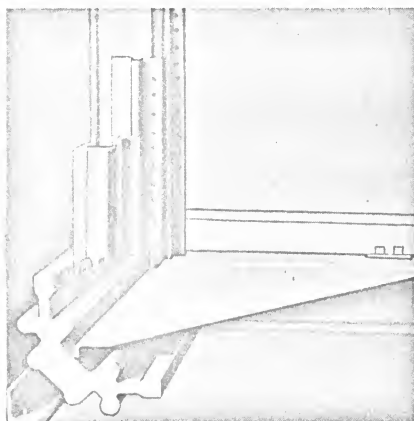
ALUMINUM EXTRUSIONS  
SINGLE BAY ENCLOSURES  
TWO-BAY ENCLOSURES  
THREE-BAY ENCLOSURES

SEI hardware complies with certified AN, MS, and MIL specifications. Design and assembly specifications meet E.I.A. standards. RFI requirements met as required.

The new design concept by Systems Enclosures, Inc. provides a versatility in configuration and multiplicity of sizes . . . in heavy-duty aluminum. Any specific equipment housing and installation requirement can be met. The versatility and unlimited flexibility is achieved with one-quarter inch increments in all dimensions . . . with assurance of structural stability.

SEI custom enclosures are noted for pleasing appearance while providing maximum density and servicing simplicity. Human Engineering principles are rigidly adhered to in all component designs.

SEI framing and trim sections are aluminum extrusions of type 6061



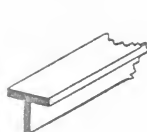
*Structural stability and versatility in configuration is achieved with the unique SEI design concept*

and 6066. Cabinet and door panels are fabricated from 6061 alloy, T6 condition, and are free from burrs, blemishes, and variations in finish both organic and inorganic.

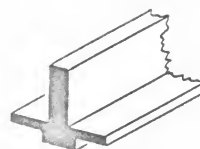
A wide variety of options assures a custom assembly that properly reflects the individuality, quality, and ability of your own products.

SEI enclosures in heavy-duty aluminum are available in single and multiple-bays (up to five bays and/or twelve feet in length). Special requirements can be met.

**Note:** Dimensions are not provided, on the following pages, owing to the practically limitless array of enclosures SEI can produce in heavy-duty aluminum.



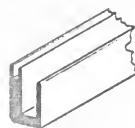
EXTRUSION NO. 100020  
WEIGHT PER INCH .025



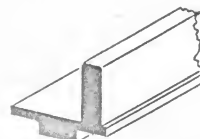
EXTRUSION NO. 100014  
WEIGHT PER INCH .151



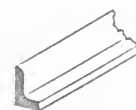
EXTRUSION NO. 100008  
WEIGHT PER INCH .055



EXTRUSION NO. 100021  
WEIGHT PER INCH .058



EXTRUSION NO. 100015  
WEIGHT PER INCH .151



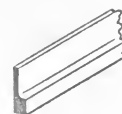
EXTRUSION NO. 100003  
WEIGHT PER INCH .032



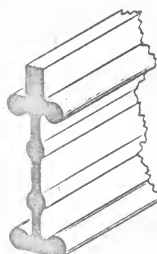
EXTRUSION NO. 100043  
WEIGHT PER INCH .052



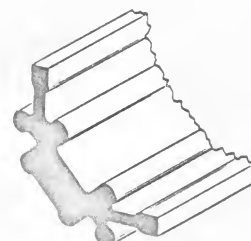
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WEIGHT PER INCH .042



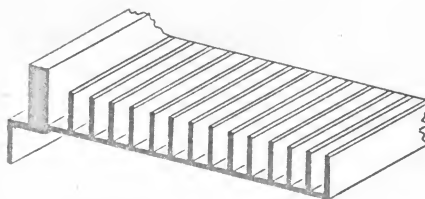
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WEIGHT PER INCH .021



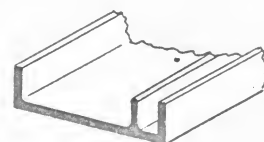
EXTRUSION NO. 100009  
WEIGHT PER INCH .288



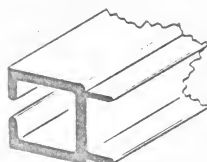
EXTRUSION NO. 100007  
WEIGHT PER INCH .621



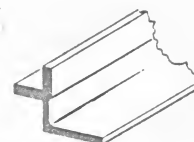
EXTRUSION NO. 100028  
WEIGHT PER INCH .300



EXTRUSION NO. 100013  
WEIGHT PER INCH .106



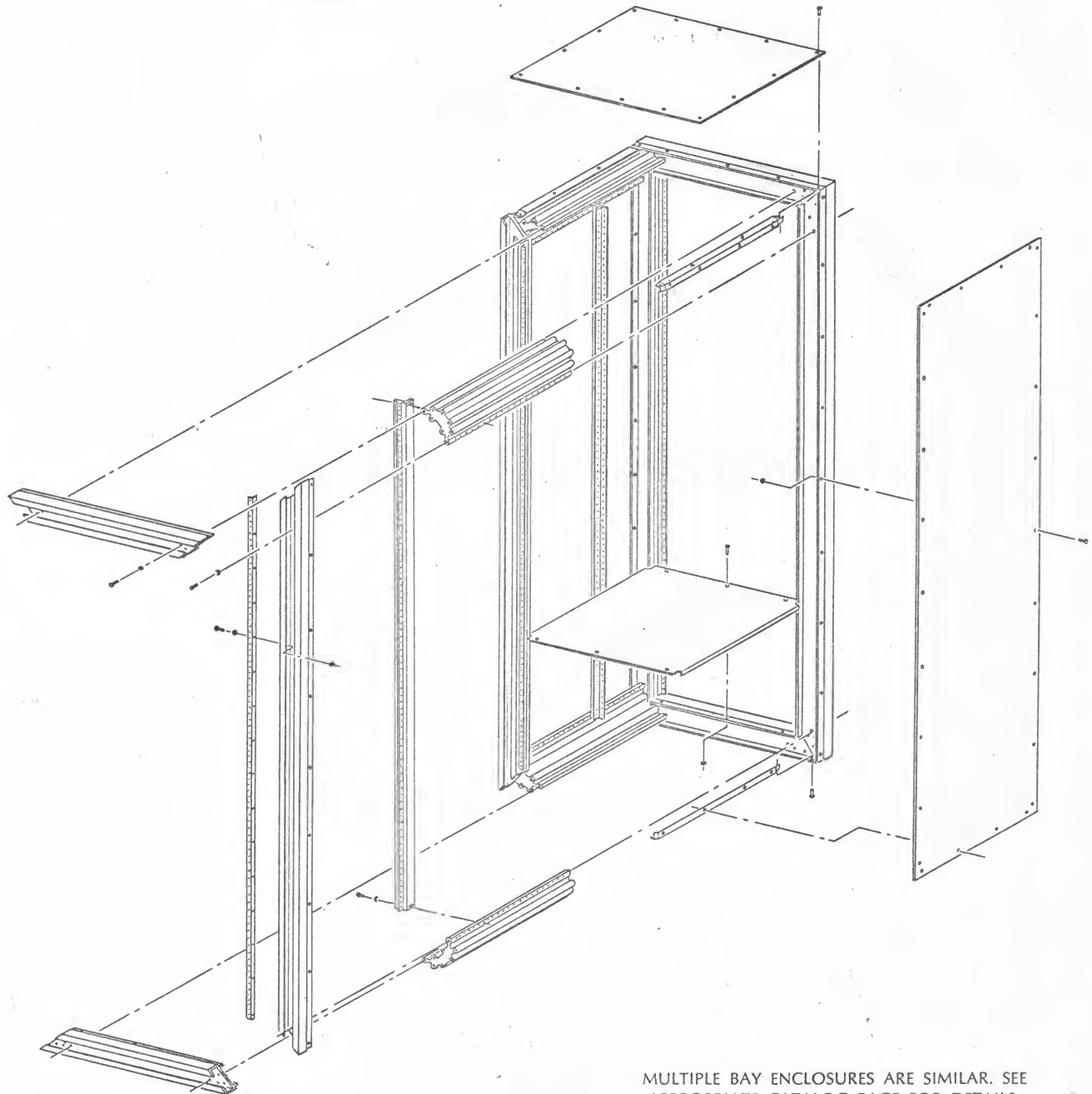
EXTRUSION NO. 100001  
WEIGHT PER INCH .193



EXTRUSION NO. 100035  
WEIGHT PER INCH .076

ASSEMBLY

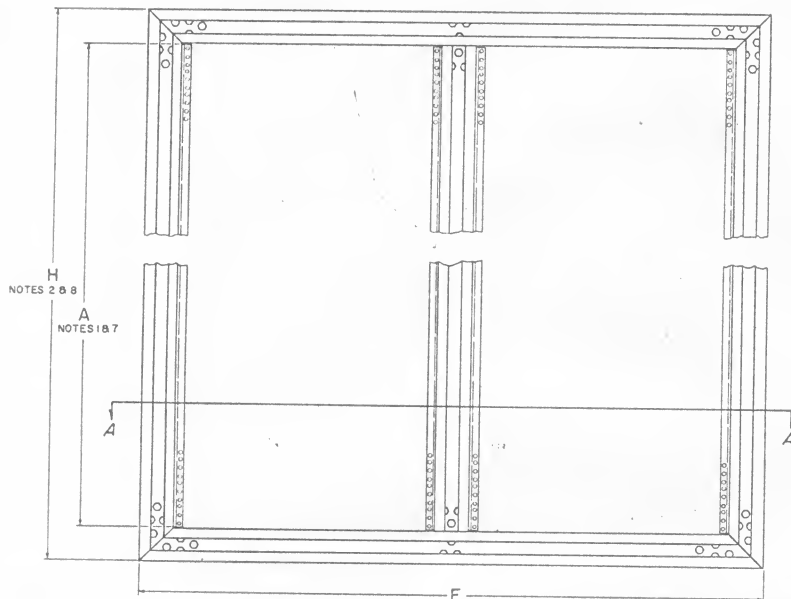
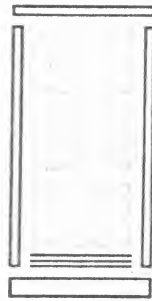
TYPICAL BAY ENCLOSURE



MULTIPLE BAY ENCLOSURES ARE SIMILAR. SEE  
APPROPRIATE CATALOG PAGE FOR DETAILS.

# DIMENSIONS

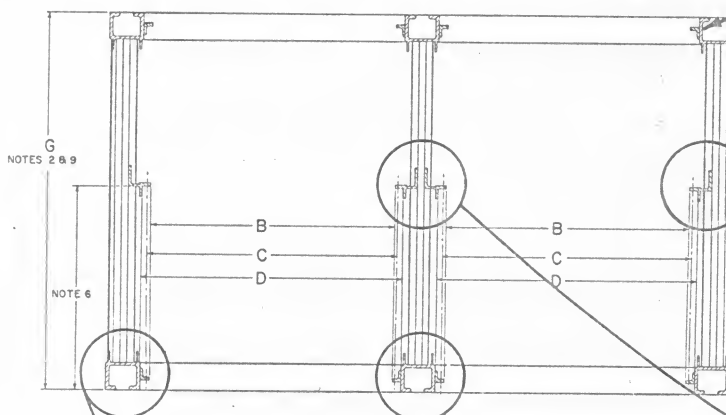
## TWO-BAY ENCLOSURE



DIMENSION	19 INS.	24 INS.	30 INS.
B Note 1	17.688	22.688	28.688
C Note 1	18.312	23.312	29.312
D Note 1	19.045	24.045	30.045
E Note 3	45.590	55.585	67.590

\*REF Electronic Industries Association  
Standard Proposal No. 707

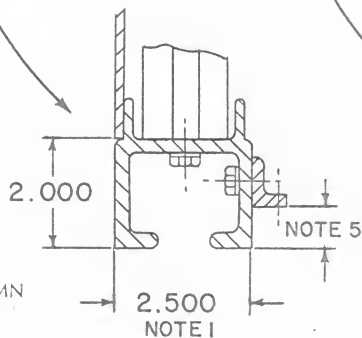
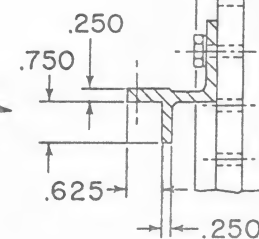
See notes on inside back cover.



REAR EIA RAIL OPTIONAL  
NOTE 10

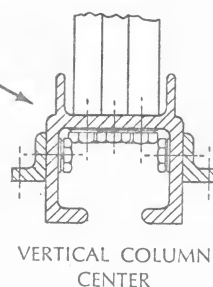
ADJUSTABLE RAIL

SECTION A-A

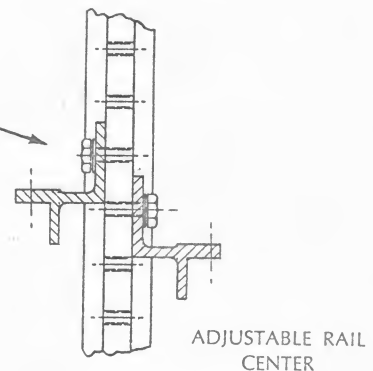


VERTICAL COLUMN

NOTE 1

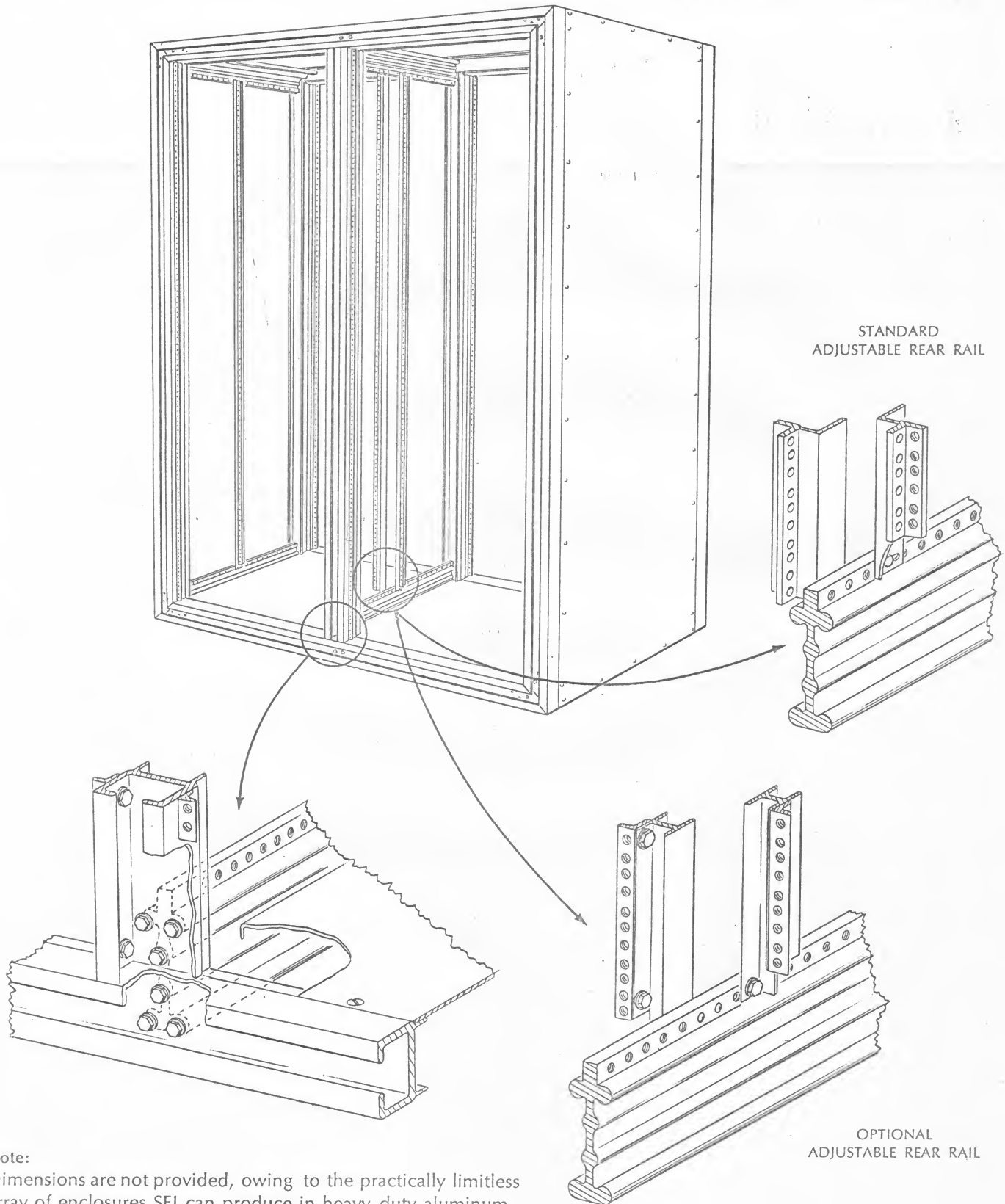


VERTICAL COLUMN  
CENTER



ADJUSTABLE RAIL  
CENTER

## CONSTRUCTION DETAILS

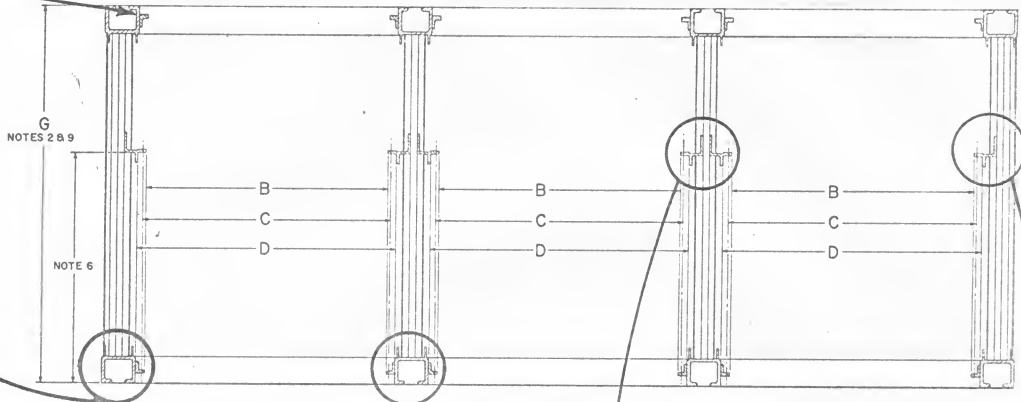
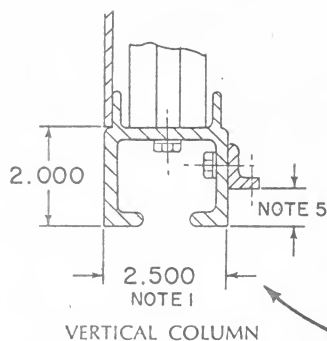


# DIMENSIONS

## THREE-BAY ENCLOSURE

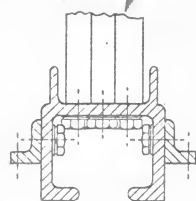


REAR EIA RAIL OPTIONAL  
NOTE 10

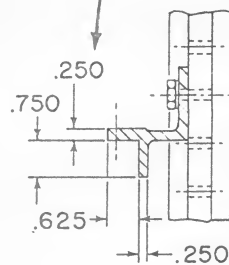


DIMENSION	19 INS.	24 INS.	30 INS.
B Note 1	17.688	22.688	28.688
C Note 1	18.312	23.312	29.312
D Note 1	19.045	24.045	30.045
E Note 4	67.135	82.135	100.135

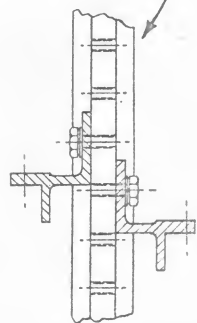
\*REF Electronic Industries Association  
Standard Proposal No. 707  
See notes on inside back cover.



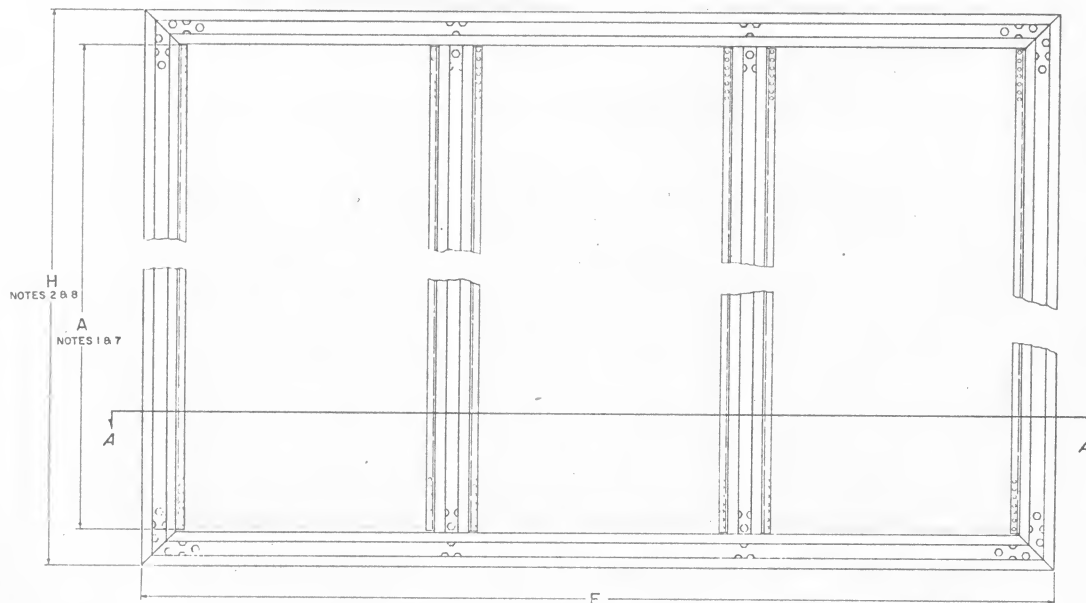
VERTICAL COLUMN  
INTERMEDIATE



ADJUSTABLE RAIL



ADJUSTABLE RAIL  
INTERMEDIATE



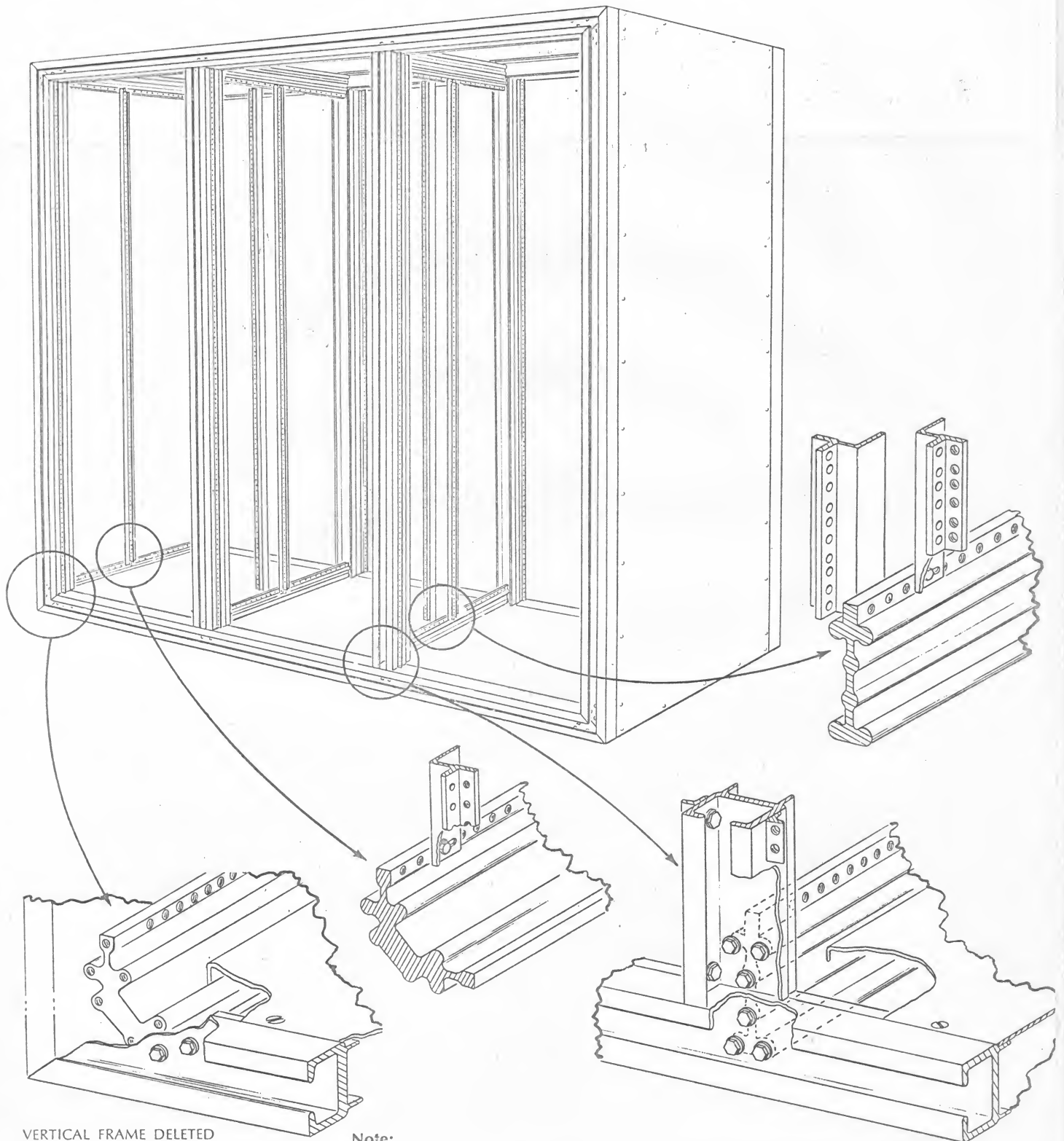
XERO  
COPY

XERO  
COPY

XERO  
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XERO  
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## CONSTRUCTION DETAILS



VERTICAL FRAME DELETED  
FOR CLARITY

### Note:

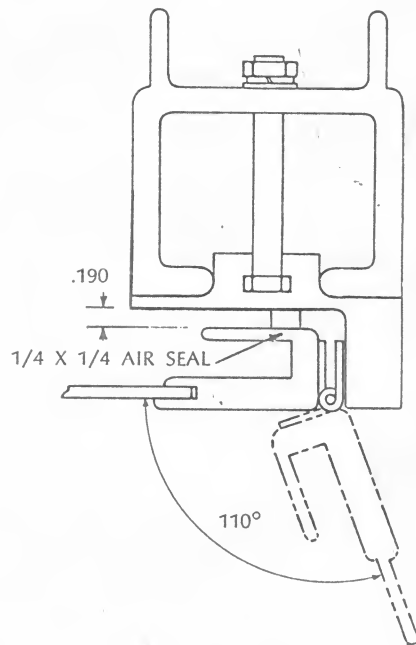
Dimensions are not provided, owing to the practically limitless array of enclosures SEI can produce in heavy-duty aluminum.

DOOR

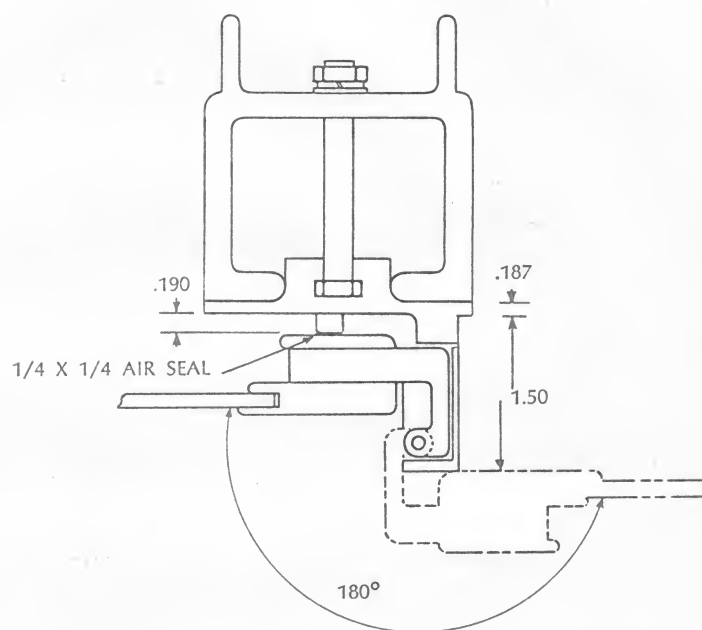
HINGING OPTIONS



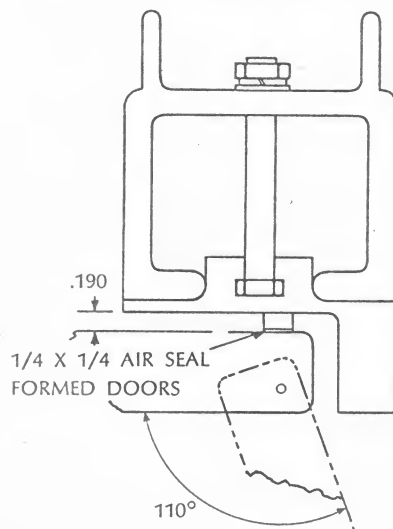
TYPE 1 HINGE ASSEMBLY  
110° DOOR OPENING



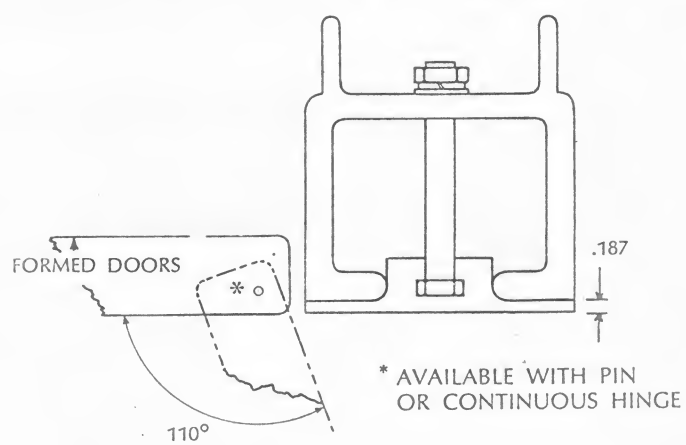
TYPE 2 HINGE ASSEMBLY  
180° DOOR OPENING



TYPE 3 HINGE ASSEMBLY  
110° DOOR OPENING



TYPE 4 HINGE ASSEMBLY  
110° DOOR OPENING



MATERIAL: 6061 T6 ALUMINUM ALLOY  
FINISH: TO CUSTOMER SPECIFICATIONS

## OPTIONS



## NOTES

Doors can be individualized with specified paints or lacquers, wrinkle finishes, textured vinyl, epoxy, anodized colors, vinyl-clad embossed metals, or wood grained finishes.

Trims are available in aluminum extrusions, stainless steel, wood, and decorative plastics. SEI grilles are attractive and functional.

SEI produces a practically limitless array of customized quality enclosures in heavy-duty aluminum on one-quarter inch increments in all dimensions. This assures a remarkable versatility in configuration and multiplicity of sizes . . . plus providing structural stability and servicing simplicity.



1. Dimensional tolerance  $\pm .015$ .
2. Dimensional tolerance  $\pm .030$ .
3. Dimensional tolerance  $\pm .045$ .
4. Dimensional tolerance  $\pm .060$ .
5. .750 dimension is standard. This dimension may be varied from flush to 1.125 in. maximum.
6. Adjustable front to rear (minimum dimension 3.000 in.).
7. "A" dimension. Standard catalog panel opening heights are available in multiples of 1.750 in.
8. "H" dimension is the sum of "A" dimension plus 5.000 in.
9. "G" dimension. The depth of the enclosure must be specified. It is available in any depth from 12 in. up to and including 36 in. in increments of  $\frac{1}{4}$  inch.
10. Rear EIA mounting rails shown for reference only. If required, please specify. Mounting dimensions are the same as Note 5 above. (Rear EIA mounting rails at extra cost)
11. Aluminum heavy duty cabinets (Pat. No. 3,178,246).

Systems Enclosures, Inc. is a unified single source for planning, designing, fabricating, and finishing . . . from compact consoles to complex control centers. SEI design engineers will assist in your planning . . . at your place of business, at installation site.

200 North Anets Drive • Northbrook, Illinois 60062